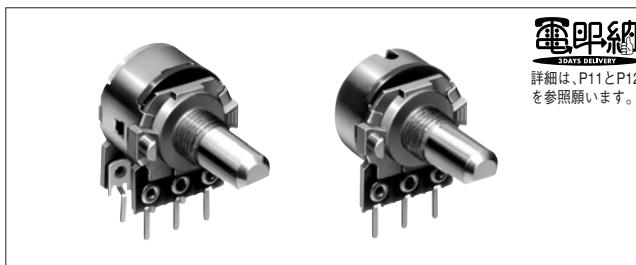


## 16形金属軸ボリューム

## 16 mm Size Metal Shaft Potentiometers

汎用性に富んだ製品バラエティで各種コントロールに対応。  
Applicable to a variety of products and suitable for various controls.



## 用途

- 一般民生、車載、産機用などの各種コントロール

## Applications

- Suitable for various control applications with general consumer electronics products, automotive installation equipment and devices, industrial machines, etc.

## 主な仕様 Typical Specifications

| 項目<br>Item                            | 仕様<br>Specification |
|---------------------------------------|---------------------|
| 全抵抗値許容差<br>Total resistance tolerance | ±20%                |
| 最高使用電圧<br>Maximum operating voltage   | 150V AC             |
| 全回転角度<br>Total rotational angle       | 300±5°              |
| 回転トルク<br>Rotational torque            | 2 to 25 mN·m        |
| 動作寿命<br>Operating life                | 15,000cycles        |
| 使用温度範囲<br>Operating temperature angle | -10 to +70°C        |

## 標準製品一覧(ご推奨製品) Standard Products List (Recommended Products)

| 抵抗素子数<br>Number of resistor elements | 取付方向<br>Mounting direction | 操作部形状<br>Shaft types | 操作部長さ<br>Length of the shaft (mm) | センタクリック<br>Center detent | 全抵抗値<br>Total resistance (Ω) | 抵抗変化特性<br>Resistance taper | 電即納対応製品<br>Products for Densokunou | 製品番号<br>Products No. | 最小梱包単位(個)<br>Minimum packing unit (pcs.) | 図番<br>Drawing No. |  |  |  |  |
|--------------------------------------|----------------------------|----------------------|-----------------------------------|--------------------------|------------------------------|----------------------------|------------------------------------|----------------------|--|-------------------|--|--|--|--|
| Single-unit                          | Horizontal type            | Flat                 | 15                                | Without                  | 10k                          | 15A                        | —                                  | RK1631110T72         | 100                                      | 1                 |  |  |  |  |
|                                      |                            |                      |                                   |                          |                              | 1B                         | ●                                  | RK1631110TBK         |  |                   |  |  |  |  |
|                                      |                            |                      |                                   |                          | 50k                          | 15A                        | —                                  | RK1631110T81         |  |                   |  |  |  |  |
|                                      |                            |                      |                                   |                          |                              | 1B                         | —                                  | RK1631110T87         |  |                   |  |  |  |  |
|                                      |                            |                      | 20                                | With                     | 10k                          | 15A                        | —                                  | RK16311101SL         |  |                   |  |  |  |  |
|                                      |                            |                      |                                   |                          |                              |                            | ●                                  | RK16312A0B85         |  |                   |  |  |  |  |
|                                      |                            |                      |                                   |                          | 50k                          | 3B                         | —                                  | RK16312A0B8B         |  |                   |  |  |  |  |
| Dual-unit                            |                            |                      |                                   |                          | 10k                          | 1B                         | —                                  | RK16312A0B9L         |  | 2                 |  |  |  |  |
|                                      |                            |                      |                                   |                          |                              |                            | ●                                  | RK16312101A2         |  |                   |  |  |  |  |
|                                      |                            |                      |                                   |                          | 50k                          | —                          | —                                  | RK1631210198         |  |                   |  |  |  |  |

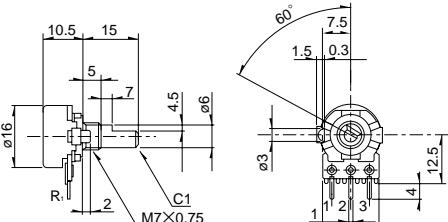
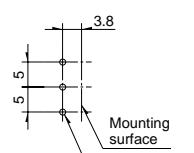
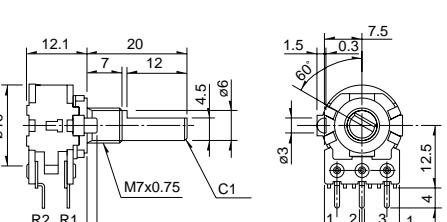
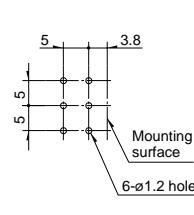
注記  
Notes

- 上記の標準製品以外にも、対応できる製品を取りそろえています。P.37の「製品バラエティ」をご参照ください。詳しくは、当社営業へお問い合わせ願います。
- その他、詳細仕様についてはP.56をご参照ください。

1. More conforming products are available other than the above standard products. See "Products Varieties" on Page 37. For inquiries, contact our Sales Department.  
2. For other detailed specification, Please see P.56.

## 16 mm Size Metal Shaft Potentiometers

## ■ 外形図 Dimensions

| No. | 製品名<br>Model  | 形状<br>Style   | プリント基板取付穴寸法図<br>P.C. Board mounting hole dimensions  |
|-----|---|---|--|
| 1   | Single-unit<br>RK16311  |  <p>Technical drawing of a single-unit RK16311 potentiometer. The front view shows a shaft with a diameter of <math>\phi 16</math>, a total length of 15, and a taper length of 10.5. The side view shows a housing diameter of <math>\phi 16</math>, a height of 15, and a taper length of 10.5. The taper angle is 60°. The mounting hole detail shows a mounting surface with a height of 3.8, a center hole of <math>\phi 3</math>, and two side holes of <math>\phi 1.2</math>. The mounting hole is at a height of 15 from the base. The shaft is labeled with <math>R1</math> and <math>C1</math>, and has a thread of <math>M7 \times 0.75</math>.</p>  |  <p>Mounting hole detail viewd from mounting side</p> |
| 2   | Single-shaft, dual-unit<br>RK1631210 (For tone)<br>RK16312A0 (For volume) |  <p>Technical drawing of a dual-unit RK1631210 potentiometer. The front view shows a shaft with a diameter of <math>\phi 16</math>, a total length of 20, and a taper length of 12.1. The side view shows a housing diameter of <math>\phi 16</math>, a height of 15, and a taper length of 12.1. The taper angle is 60°. The mounting hole detail shows a mounting surface with a height of 3.8, a center hole of <math>\phi 3</math>, and two side holes of <math>\phi 1.2</math>. The mounting hole is at a height of 15 from the base. The shaft is labeled with <math>R1</math> and <math>R2</math>, and has a thread of <math>M7 \times 0.75</math>. The housing is labeled with <math>C1</math>.</p> |  <p>Mounting hole detail viewd from mounting side</p> |

## 16形金属軸ボリューム製品バラエティ

## 16 mm Size Metal Shaft Potentiometers Products Varieties

標準製品(ご推奨製品)に加えて、下記仕様にも対応いたします。

In addition to the standard products (recommended products), the following specifications are supported too.

製品仕様と用途 Product specifications and Applications

| タイプ<br>Type                  | 製品名<br>Model | 用途<br>Applications        | クリックバラエティ<br>Detent variety    |
|------------------------------|--------------|---------------------------|--------------------------------|
| Single-shaft,<br>single-unit | RK16311      | General                   | Center<br>11<br>21<br>31<br>41 |
| Single-shaft,<br>dual-unit   | RK16312      | General or Volume control | Center<br>11<br>21<br>31<br>41 |
| Single-shaft,<br>quad.-unit  | RK16314      |                           |                                |

全抵抗值種類 Total Resistance Variety

| 全抵抗値[kΩ]<br>Total Resistance[kΩ] | 1   | 5   | 10  | 20   | 50   | 100 |
|----------------------------------|-----|-----|-----|------|------|-----|
|                                  | 200 | 250 | 500 | 1000 | 2000 |     |

## ■ 抵抗变化特性 Resistance Taper

|                            |     |     |     |    |
|----------------------------|-----|-----|-----|----|
| 抵抗变化特性<br>Resistance Taper | 10A | 15A | 25A | 1H |
|                            | 1B  | 3B  | 4B  | 2H |
|                            | 10C | 15C | 25C |    |

# 16形金属軸ボリューム製品バラエティ

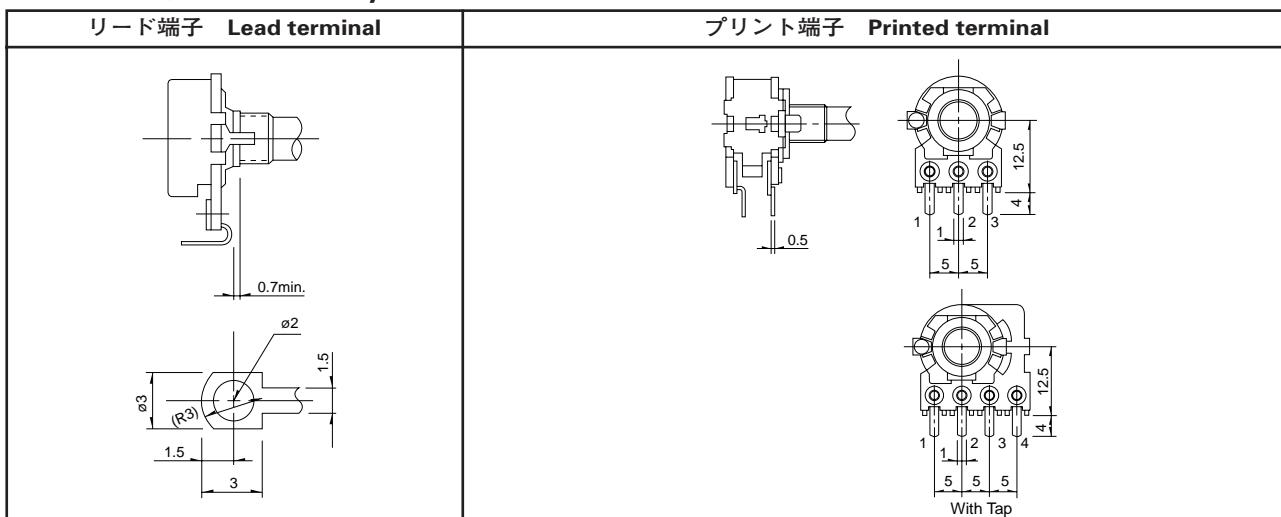
## 16 mm Size Metal Shaft Potentiometers Products Varieties

標準製品（ご推奨製品）に加えて、下記仕様にも対応いたします。

In addition to the standard products (recommended products), the following specifications are supported too.

### ■ 端子の種類 Terminal Style

Unit : mm

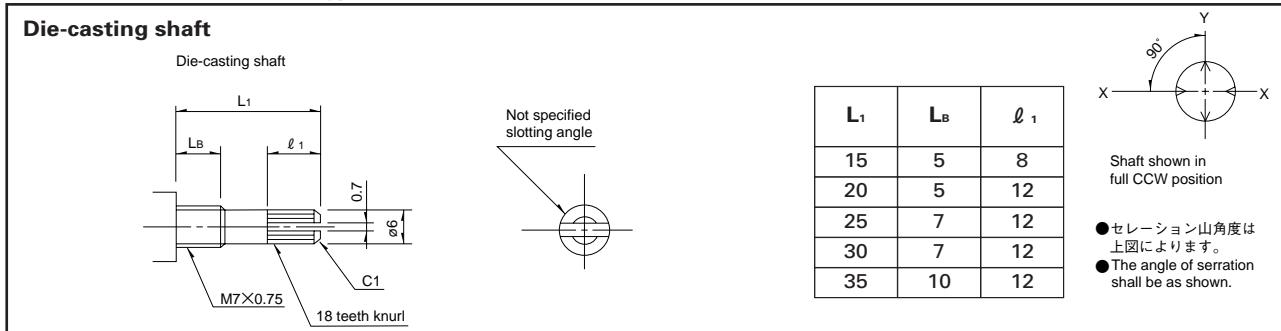


### ■ 操作部寸法 Dimensions of Shaft

#### 1. 1軸タイプ Single-shaft Type

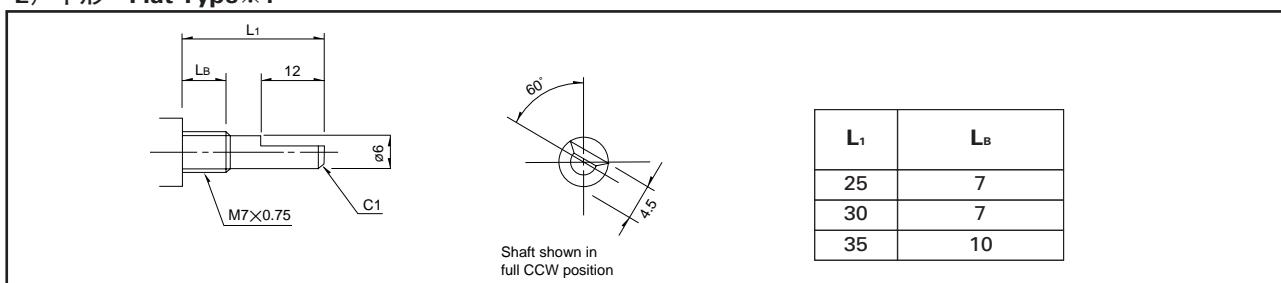
##### 1) セレーフション Knurled Type ※

Unit : mm



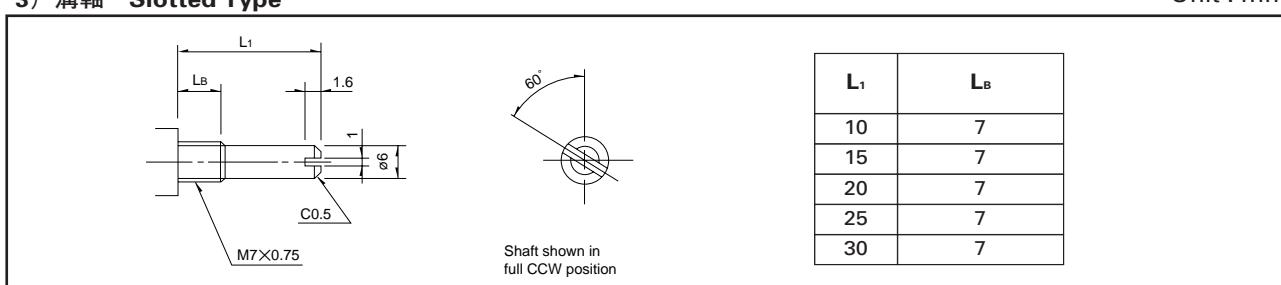
##### 2) 平形 Flat Type ※1

Unit : mm



##### 3) 溝軸 Slotted Type

Unit : mm



### Note

※ 16形1軸単連、2連はダイカスト軸が標準です。1軸3連以上はアルミ軸となります。

※ 16mm size single-shaft, single-unit and dual-unit potentiometers have a die-cast shaft as a standard, those over single-shaft, triple-unit have an aluminium shaft.